

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2017 Levee Inspection Results

Reclamation District No. 0537 Lovdal

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2017 Levee Inspection Results

Reclamation District No. 0537 Lovdal

Waterway			Bank	Unit Miles
Unit No. 01 Sacramento River			Right	4.74
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/13/2017 - 4/13/2017			
DWR Inspector	Zach Jojola			
Accompanied By	Oleg Yakimov DWR			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start		Rating **	A	Issue No.	11
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD0537_01_s_2013_11				
Comment Code					
Inspector Comment					
O&M manual is available at the office.					

No Photos

LM Start		Rating **	A	Issue No.	12
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD0537_01_s_2013_12				
Comment Code					
Inspector Comment					
LMA has flood fight supplies available on site in special containers.					

No Photos

LM Start		Rating **	A	Issue No.	13
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD0537_01_s_2013_13				
Comment Code					
Inspector Comment					
LMA had flood training in 2016.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	0.03	Rating **	N	Issue No.	22
LM End	0.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.643305 °	38.643305 °
				-121.583749 °	-121.583749 °
DWR ID	DWR_RD0537_01_f_2015_22				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0537_173_22_20170320_00020.jpg



View of the tree stumps on the waterward side of the levee looking downstream. Fall 2015.

LM Start	0.05	Rating **	U	Issue No.	476
LM End	0.05	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.643400 °	38.643400 °
				-121.583380 °	-121.583380 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:50087 DS_ID:169 EP_NO: 558 Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/18/2016 - Same as last inspection. Pipe severely corroded. Since it is a deep irrigation pipe, cracking on pavement likely not caused by pipe. (K. Fazel/UCIP)03/18/2013 - Crossing appears abandoned; if so, must be done so properly. Cracking on pavement along pipe alignment. Holes visible on pipe along WS slope. (P. Amatya/UCIP) FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation pipe through the levee, 18 feet below the crown. Centrifugal pump on the waterside (WS). Concrete collar on the WS per permit drawing, not found in 2016. Polyvinyl chloride (PVC) standpipe and valve enclosed by concrete standpipe off landside (LS) toe, likely not associated with the crossing, per Ken Lang of RD0537. 1-inch electric conduit through the levee, 3.8 ft below the crown (this may not be associated with the crossing, per Ken Lang). (Permit No. 558, 1932 - Marty Brothers). Current adjacent landowner is Giovennetti Ranch but pipe is not used by landowner. [Additional Reference(s): DWR Levee Log, 2004 (HLM 0.04)]. Permit drawing (issued in 1932) indicates pipe depth is 6.7 ft, however permit was issued prior to the construction of a new levee prism above the old levee in 1955. FS Date: 7/18/2016					

Photo 1 of 3 : UCIP_SP_2017_50087_17140.jpg



WS- an abandoned pump.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	0.05	Rating **	U	Issue No.	476 (cont)
LM End	0.05	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.643400 °	38.643400 °
				-121.583380 °	-121.583380 °
DWR ID					

Comment Code

Inspector Comment

FS_ID:50087
DS_ID:169
EP_NO: 558
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 07/18/2016 - Same as last inspection. Pipe severely corroded. Since it is a deep irrigation pipe, cracking on pavement likely not caused by pipe. (K. Fazel/UCIP)03/18/2013 - Crossing appears abandoned; if so, must be done so properly. Cracking on pavement along pipe alignment. Holes visible on pipe along WS slope. (P. Amatya/UCIP)
FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation pipe through the levee, 18 feet below the crown. Centrifugal pump on the waterside (WS). Concrete collar on the WS per permit drawing, not found in 2016. Polyvinyl chloride (PVC) standpipe and valve enclosed by concrete standpipe off landside (LS) toe, likely not associated with the crossing, per Ken Lang of RD0537. 1-inch electric conduit through the levee, 3.8 ft below the crown (this may not be associated with the crossing, per Ken Lang). (Permit No. 558, 1932 - Marty Brothers). Current adjacent landowner is Giovenetti Ranch but pipe is not used by landowner. [Additional Reference(s): DWR Levee Log, 2004 (HLM 0.04)]. Permit drawing (issued in 1932) indicates pipe depth is 6.7 ft, however permit was issued prior to the construction of a new levee prism above the old levee in 1955.
FS Date: 7/18/2016

LM Start	0.05	Rating **	U	Issue No.	476 (cont)
LM End	0.05	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_SP_2017_50087_17141.jpg



WS- abandoned steel pipe.

Photo 3 of 3 : UCIP_SP_2017_50087_17142.jpg



WS- visible holes on the pipe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	0.07	Rating **	M	Issue No.	477
LM End	0.07	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.643528 °	38.643528 °
				-121.583193 °	-121.583193 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:46803 DS_ID:168 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing appears abandoned; if so, must be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation pipe, 3.8 FBC. Pump gone. Concrete pump pad on WS bank not found. 36-inch concrete standpipe off LS toe. 2-inch electric conduit not found (1-inch electric line found for 10-inch pipe located 50 ft upstream). Plate bolted on WW end of pipe. FPIIB 2004 Levee Logs. FS Date: 4/29/2015					

LM Start	0.07	Rating **	M	Issue No.	477 (cont)
LM End	0.07	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_46803_74402.jpg



Pipe visible along WS slope.

Photo 2 of 3 : UCIP_SP_2017_46803_74403.jpg



View of pipe into water.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	0.07	Rating **	M	Issue No.	477 (cont)	
LM End	0.07	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.643528 °		38.643528 °
				-121.583193 °		-121.583193 °
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:46803 DS_ID:168 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Crossing appears abandoned; if so, must be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation pipe, 3.8 FBC. Pump gone. Concrete pump pad on WS bank not found. 36-inch concrete standpipe off LS toe. 2-inch electric conduit not found (1-inch electric line found for 10-inch pipe located 50 ft upstream). Plate bolted on WW end of pipe. FPIIB 2004 Levee Logs. FS Date: 4/29/2015						

Photo 3 of 3 : UCIP_SP_2017_46803_74404.jpg



Closeup of plates bolted to pipe on WS slope.

LM Start	0.18	Rating **	M	Issue No.	34
LM End	0.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.644628 °	38.645083 °
				-121.581589 °	-121.580843 °
DWR ID	DWR_RD0537_01_f_2016_34				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0537_173_34_20170320_00030.jpg



Runoff erosion on waterside slope. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	0.38	Rating **	M	Issue No.	47
LM End	0.38	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.646457 °	38.646457 °
				-121.578663 °	-121.578663 °
DWR ID	DWR_RD0537_01_s_2012_47				
Comment Code					
FW : Firewood					
Inspector Comment					

Photo 1 of 3 : SP_2017_RD0537_173_47_20170320_00047.jpg



View of the firewood pile at the toe of the levee on the landward side. Fall 2015.

LM Start	0.38	Rating **	M	Issue No.	47 (cont)
LM End	0.38	Issue Type +	En	Location *	LS

Photo 2 of 3 : SP_2017_RD0537_173_47_20170320_00048.jpg



Updated view of firewood at LS toe. Fall 2016.

LM Start	0.38	Rating **	M	Issue No.	47 (cont)
LM End	0.38	Issue Type +	En	Location *	LS

Photo 3 of 3 : SP_2017_RD0537_173_47_20170320_00049.jpg



Perspective view of more firewood at the toe of the levee on the landward side looking downstream. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	0.39	Rating **	M	Issue No.	6
LM End	0.39	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.646557 °	38.646557 °
				-121.578529 °	-121.578529 °
DWR ID	DWR_RD0537_01_s_2013_6				
Comment Code					
EQ : Equipment					
Inspector Comment					
Also building is in the easement.					

Photo 1 of 2 : SP_2017_RD0537_173_6_20170320_00003.jpg



View of the equipment at the toe of the levee looking downstream. Spring 2016.

LM Start	0.39	Rating **	M	Issue No.	6 (cont)
LM End	0.39	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2017_RD0537_173_6_20170320_00004.jpg



Updated view of equipment at landside toe. Fall 2016.

LM Start	0.42	Rating **	M	Issue No.	31
LM End	0.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.646811 °	38.646811 °
				-121.578241 °	-121.578241 °
DWR ID	DWR_RD0537_01_s_2016_31				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0537_173_31_20170320_00027.jpg



View of the slope stability near the shoulder of the waterward side of the levee looking downstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	0.42	Rating **	N	Issue No.	32
LM End	0.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.646811 °	38.646811 °
				-121.578241 °	-121.578241 °
DWR ID	DWR_RD0537_01_s_2016_32				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0537_173_32_20170320_00028.jpg



View of the tree stump on the waterward side of the levee looking downstream. Spring 2016.

LM Start	0.42	Rating **	M	Issue No.	18
LM End	0.42	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.646803 °	38.646803 °
				-121.578215 °	-121.578215 °
DWR ID	DWR_RD0537_01_f_2013_18				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 2 : SP_2017_RD0537_173_18_20170320_00017.jpg



View of the cactus at the toe of the levee. Spring 2016.

LM Start	0.42	Rating **	M	Issue No.	18 (cont)
LM End	0.42	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP_2017_RD0537_173_18_20170320_00018.jpg



Perspective view of the landscaping on the landward side of the levee looking downstream. Spring 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	0.44	Rating **	M	Issue No.	50
LM End	0.44	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.647005°	38.647005°
				-121.577813°	-121.577813°
DWR ID	DWR_RD0537_01_s_2012_50				
Comment Code					
RW : Retaining Wall					
Inspector Comment					

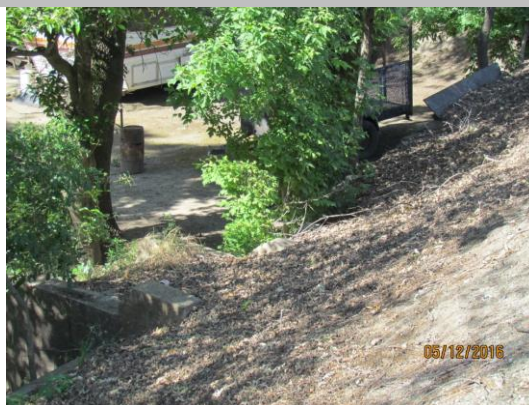
Photo 1 of 3 : SP_2017_RD0537_173_50_20170320_00052.jpg



View of the retaining wall at the levee toe on the landward side of the levee looking downstream. The wall is partially broken. Fall 2015.

LM Start	0.44	Rating **	M	Issue No.	50 (cont)
LM End	0.44	Issue Type +	En	Location *	LS

Photo 2 of 3 : SP_2017_RD0537_173_50_20170320_00053.jpg



View of the retaining wall at the toe of the levee on the landward side. Spring 2016.

LM Start	0.44	Rating **	M	Issue No.	50 (cont)
LM End	0.44	Issue Type +	En	Location *	LS

Photo 3 of 3 : SP_2017_RD0537_173_50_20170320_00054.jpg



Updated view of the site. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	0.56	Rating **	U	Issue No.	67
LM End	0.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.647605 °	38.647330 °
				-121.575932 °	-121.572265 °
DWR ID	DWR_RD0537_01_s_2017_67				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0537_173_67_20170413_00096.jpg



Tall grass on waterside levee slope, blocking visibility. Spring 2017.

LM Start	0.56	Rating **	M	Issue No.	66
LM End	0.77	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.647603 °	38.647340 °
				-121.575925 °	-121.572287 °
DWR ID	DWR_RD0537_01_s_2017_66				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0537_173_66_20170413_00097.jpg



Tall grass on levee crown, blocking visibility. Spring 2017.

LM Start	0.57	Rating **	M	Issue No.	54
LM End	0.57	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.647577 °	38.647577 °
				-121.575832 °	-121.575832 °
DWR ID	DWR_RD0537_01_s_2017_54				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0537_173_54_20170320_00058.jpg



Debris on levee crown near the gate. Fall 2016.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	0.58	Rating **	M	Issue No.	53
LM End	0.58	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.647475 °	38.647475 °
				-121.575515 °	-121.575515 °
DWR ID	DWR_RD0537_01_f_2016_53				
Comment Code					
MA : Material					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0537_173_53_20170320_00057.jpg



Concrete ring at landside levee toe. Fall 2016.

LM Start	0.64	Rating **	M	Issue No.	52
LM End	0.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.647243 °	38.647243 °
				-121.574580 °	-121.574580 °
DWR ID	DWR_RD0537_01_f_2016_52				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0537_173_52_20170320_00056.jpg



Rodent hole has erosion around less than 1ft deep. Fall 2016.

LM Start	0.68	Rating **	M	Issue No.	27
LM End	0.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.647065 °	38.647065 °
				-121.573753 °	-121.573753 °
DWR ID	DWR_RD0537_01_s_2017_27				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0537_173_27_20170320_00023.jpg



View of the rodent holes on the landward side of the levee looking downstream. Spring 2016.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	0.69	Rating **	M	Issue No.	68
LM End	0.69	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.647032 °	38.647032 °
				-121.573617 °	-121.573617 °
DWR ID	DWR_RD0537_01_s_2017_68				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0537_173_68_20170413_00098.jpg



Deep rodent hole on levee crown. Spring 2017.

LM Start	0.69	Rating **	U	Issue No.	51
LM End	0.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.647087 °	38.647087 °
				-121.573612 °	-121.573612 °
DWR ID	DWR_RD0537_01_f_2016_51				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0537_173_51_20170320_00055.jpg



View of animal burrows on WS slope with large amount of soil out. Fall 2016.

LM Start	0.70	Rating **	M	Issue No.	65
LM End	0.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.647005 °	38.647005 °
				-121.573345 °	-121.573345 °
DWR ID	DWR_RD0537_01_s_2017_65				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	0.73	Rating **	U	Issue No.	49
LM End	0.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.647135 °	38.647135 °
				-121.572843 °	-121.572843 °
DWR ID	DWR_RD0537_01_f_2016_49				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0537_173_49_20170320_00051.jpg



Animal burrows on LS slope. Fall 2016.

LM Start	0.74	Rating **	M	Issue No.	48
LM End	0.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.647173 °	38.647173 °
				-121.572628 °	-121.572628 °
DWR ID	DWR_RD0537_01_f_2016_48				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0537_173_48_20170320_00050.jpg



Animal burrows on LS slope. Fall 2016.

LM Start	0.75	Rating **	M	Issue No.	64
LM End	0.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.647172 °	38.647172 °
				-121.572607 °	-121.572607 °
DWR ID	DWR_RD0537_01_s_2017_64				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	0.77	Rating **	M	Issue No.	63
LM End	0.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.647416 °	38.647416 °
				-121.572241 °	-121.572241 °
DWR ID	DWR_RD0537_01_s_2017_63				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.81	Rating **	U	Issue No.	35
LM End	0.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.647181 °	38.647181 °
				-121.571586 °	-121.571586 °
DWR ID	DWR_RD0537_01_f_2016_35				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Runoff erosion on landside slope.					

Photo 1 of 3 : SP_2017_RD0537_173_35_20170320_00031.jpg



Runoff erosion on landside slope. Fall 2016.

LM Start	0.81	Rating **	U	Issue No.	35 (cont)
LM End	0.81	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : SP_2017_RD0537_173_35_20170320_00032.jpg



Runoff erosion on landside slope. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	0.81	Rating **	U	Issue No.	35 (cont)	
LM End	0.81	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.647181 °		38.647181 °
				-121.571586 °		-121.571586 °
DWR ID	DWR_RD0537_01_f_2016_35					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Runoff erosion on landside slope.						

Photo 3 of 3 : SP_2017_RD0537_173_35_20170413_00093.jpg



Updated view of runoff erosion on landside levee slope. Erosion has become worse since the last inspection. Spring 2017.

LM Start	1.05	Rating **	M	Issue No.	28
LM End	1.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.644973 °	38.644686 °
				-121.568153 °	-121.567903 °
DWR ID	DWR_RD0537_01_s_2016_28				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0537_173_28_20170320_00024.jpg



View of the trees on the landward side of the levee looking downstream. Spring 2016.

LM Start	1.09	Rating **	U	Issue No.	58
LM End	3.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.644610 °	38.611362 °
				-121.567780 °	-121.561960 °
DWR ID	DWR_RD0537_01_s_2017_58				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0537_173_58_20170413_00092.jpg



Tall grass on waterside levee slope, blocking visibility. Spring 2017.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	1.19	Rating **	U	Issue No.	36
LM End	1.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.643355 °	38.643355 °
				-121.566895 °	-121.566895 °
DWR ID	DWR_RD0537_01_f_2016_36				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 2 : SP_2017_RD0537_173_36_20170320_00033.jpg



Rodent burrow with large amount of soil out. Fall 2016.

LM Start	1.19	Rating **	U	Issue No.	36 (cont)
LM End	1.19	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2017_RD0537_173_36_20170320_00034.jpg



Close view of a rodent burrow with large amount of soil out. Fall 2016.

LM Start	1.23	Rating **	M	Issue No.	37
LM End	1.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.642785 °	38.642785 °
				-121.566603 °	-121.566603 °
DWR ID	DWR_RD0537_01_f_2016_37				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0537_173_37_20170320_00035.jpg



Rodent burrows with significant amount of soil out the holes located around a drainage pipe. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	1.28	Rating **	M	Issue No.	38
LM End	1.28	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.642089 °	38.642089 °
				-121.566260 °	-121.566260 °
DWR ID	DWR_RD0537_01_f_2016_38				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0537_173_38_20170320_00036.jpg



View of debris on landside slope. Fall 2016.

LM Start	1.81	Rating **	M	Issue No.	59
LM End	1.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.634585 °	38.634585 °
				-121.564604 °	-121.564604 °
DWR ID	DWR_RD0537_01_s_2017_59				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0537_173_59_20170413_00094.jpg



View of rodent holes on landside levee slope. Spring 2017.

LM Start	1.91	Rating **	U	Issue No.	40
LM End	1.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.633148 °	38.633148 °
				-121.564520 °	-121.564520 °
DWR ID	DWR_RD0537_01_s_2012_40				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 3 : SP_2017_RD0537_173_40_20170320_00038.jpg



View of the rodent holes on the landward side of the levee looking down. Fall 2015.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	1.91	Rating **	U	Issue No.	40 (cont)	
LM End	1.91	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			38.633148 °		38.633148 °
				-121.564520 °		-121.564520 °
DWR ID	DWR_RD0537_01_s_2012_40					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						

Photo 2 of 3 : SP_2017_RD0537_173_40_20170320_00039.jpg



Updated view of rodent holes on LS slope. Fall 2016.

LM Start	1.91	Rating **	U	Issue No.	40 (cont)
LM End	1.91	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : SP_2017_RD0537_173_40_20170320_00040.jpg



View of the rodent holes on the landward side of the levee looking upstream. There are more than 2 cubic feet of material from the hole Fall 2015.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	1.93	Rating **	M	Issue No.	29
LM End	1.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.632874 °	38.632462 °
				-121.564494 °	-121.564448 °
DWR ID	DWR_RD0537_01_s_2016_29				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0537_173_29_20170320_00025.jpg



View of the rodent holes on the landward side of the levee looking downstream. Spring 2016.

LM Start	1.96	Rating **	U	Issue No.	39
LM End	1.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.632314 °	38.632314 °
				-121.564450 °	-121.564450 °
DWR ID	DWR_RD0537_01_f_2016_39				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0537_173_39_20170320_00037.jpg



Animal burrow with more than 2 cu.ft of soil out. Fall 2016.

LM Start	2.09	Rating **	M	Issue No.	60
LM End	2.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.630463 °	38.630463 °
				-121.564234 °	-121.564234 °
DWR ID	DWR_RD0537_01_s_2017_60				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

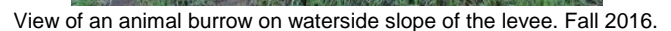
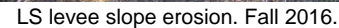
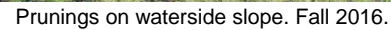
Photo 1 of 1 : SP_2017_RD0537_173_60_20170413_00095.jpg



Large burrow hole on landside levee slope. Spring 2017.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

Reclamation District No. 0537 Lovdal



**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	2.50	Rating **	M	Issue No.	7
LM End	2.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.624549 °	38.624549 °
				-121.563650 °	-121.563650 °
DWR ID	DWR_RD0537_01_s_2013_7				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0537_173_7_20170320_00005.jpg



View of the rodent hole on the landward side of the levee. Fall 2015.

LM Start	2.54	Rating **	U	Issue No.	17
LM End	2.54	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.623983 °	38.623983 °
				-121.563503 °	-121.563503 °
DWR ID	DWR_RD0537_01_f_2015_17				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 3 : SP_2017_RD0537_173_17_20170320_00014.jpg



View of the rodent hole on the waterward side of the levee looking upstream. There are more than 2 cubic feet of material next to the hole. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	2.54	Rating **	U	Issue No.	17 (cont)	
LM End	2.54	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			38.623983 °		38.623983 °
				-121.563503 °		-121.563503 °
DWR ID	DWR_RD0537_01_f_2015_17					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						

Photo 2 of 3 : SP_2017_RD0537_173_17_20170320_00015.jpg



Updated view of the rodent hole on the waterward side of the levee. Fall 2016.

LM Start	2.54	Rating **	U	Issue No.	17 (cont)
LM End	2.54	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP_2017_RD0537_173_17_20170320_00016.jpg



Updated view of the rodent hole on the waterward side of the levee. Fall 2016.

LM Start	2.59	Rating **	M	Issue No.	61
LM End	2.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.623310 °	38.623310 °
				-121.563524 °	-121.563524 °
DWR ID	DWR_RD0537_01_s_2017_61				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	2.67	Rating **	M	Issue No.	42
LM End	2.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.622150 °	38.622150 °
				-121.563441 °	-121.563441 °
DWR ID	DWR_RD0537_01_f_2016_42				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0537_173_42_20170320_00042.jpg



View of erosion site on LS slope of the levee. Fall 2016.

LM Start	2.72	Rating **	M	Issue No.	478
LM End	2.72	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.621437 °	38.621437 °
				-121.563373 °	-121.563373 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:46035 DS_ID:178 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Wasted pipe and valve not visible due to vegetation. FIELD_STRUCT_DESC: 12-inch pipe through the levee, 4.5 feet below the crown. Slant pump column on the waterward bank. Timber walkway (not found) mounted on pile structure across the berm. Siphon breaker in CM pipe riser on the landward slope. Concrete standpipe on the landward side. 6-inch wasted pipe down bank, gate valve on waste line. A 2" electrical conduit through the levee. FS Date: 3/18/2013					

Photo 1 of 3 : UCIP_SP_2017_46035_17008.jpg



WS- overview of pump, pipe and steel structure structure.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	2.72	Rating **	M	Issue No.	478 (cont)
LM End	2.72	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.621437 °	38.621437 °
				-121.563373 °	-121.563373 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:46035 DS_ID:178 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Wasted pipe and valve not visible due to vegetation. FIELD_STRUCT_DESC: 12-inch pipe through the levee, 4.5 feet below the crown. Slant pump column on the waterward bank. Timber walkway (not found) mounted on pile structure across the berm. Siphon breaker in CM pipe riser on the landward slope. Concrete standpipe on the landward side. 6-inch wasted pipe down bank, gate valve on waste line. A 2" electrical conduit through the levee. FS Date: 3/18/2013					

LM Start	2.72	Rating **	M	Issue No.	478 (cont)
LM End	2.72	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_46035_17007.jpg



WS- closer view of pump, pipe and steel structure.

Photo 3 of 3 : UCIP_SP_2017_46035_17006.jpg



LS- siphon breaker in pvc pipe riser.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	2.84	Rating **	M	Issue No.	479
LM End	2.84	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.619674 °	38.619674 °
				-121.563330 °	-121.563330 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:46037 DS_ID:179 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: A 6-inch wasted pipe down bank, gate valve on waste line- not visible due to the vegetation. FIELD_STRUCT_DESC: 12-inch pipe through the levee, 7.0 feet below the crown. Slant pump column on the bank. Steel walkway mounted on pile structure across the berm to pump. Burried siphon breaker in CM pipe riser on the landward slope. Concrete standpipe not found on LS but a shallow CM standpipe found on cultivated field. FS Date: 3/18/2013					

LM Start	2.84	Rating **	M	Issue No.	479 (cont)
LM End	2.84	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_SP_2017_46037_17027.jpg



WS- overview of slanted pump on steel structure.

Photo 2 of 3 : UCIP_SP_2017_46037_17026.jpg



WS- slanted pump and pipe on steel structure.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	2.89	Rating **	M	Issue No.	3
LM End	2.91	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.618926 °	38.618644 °
				-121.563374 °	-121.563353 °
DWR ID	DWR_RD0537_01_s_2015_3				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Arundo starting to creep up on the levee slope.					

Photo 1 of 1 : SP_2017_RD0537_173_3_20170320_00002.jpg



View of the arundo at the levee toe on the landward side of the levee looking upstream. Fall 2015.

LM Start	2.93	Rating **	M	Issue No.	480
LM End	2.93	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.618334 °	38.618334 °
				-121.563318 °	-121.563318 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:46806 DS_ID:180 EP_NO: 4656 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Broken gate valve handle on waste pipe. FIELD_STRUCT_DESC: 12-inch irrigation pipe through the levee, 7.0 feet below the crown. Slant pump column on the bank. Timber walkway mounted on pile structure across the berm to pump. Siphon breaker on CM pipe riser on the landward slope. Concrete pipe riser on the landward side. A waste pipe down bank. Gate valve on waste line. (Permit No. 4656) FS Date: 3/18/2013					

Photo 1 of 3 : UCIP_SP_2017_46806_17038.jpg



WS- slanted pipe and pump on timber structure.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	2.93	Rating **	M	Issue No.	480 (cont)
LM End	2.93	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.618334 °	38.618334 °
				-121.563318 °	-121.563318 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:46806 DS_ID:180 EP_NO: 4656 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Broken gate valve handle on waste pipe. FIELD_STRUCT_DESC: 12-inch irrigation pipe through the levee, 7.0 feet below the crown. Slant pump column on the bank. Timber walkway mounted on pile structure across the berm to pump. Siphon breaker on CM pipe riser on the landward slope. Concrete pipe riser on the landward side. A waste pipe down bank. Gate valve on waste line. (Permit No. 4656) FS Date: 3/18/2013					

LM Start	2.93	Rating **	M	Issue No.	480 (cont)
LM End	2.93	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_SP_2017_46806_17037.jpg



WS- main pipe and waste pipe with gate valve

Photo 3 of 3 : UCIP_SP_2017_46806_17036.jpg



WS- main pipe and waste pipe with gate valve

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	3.06	Rating **	M	Issue No.	264
LM End	3.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.616504 °	38.616504 °
				-121.563270 °	-121.563270 °
DWR ID	DWR_RD0537_01_s_2014_264				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
The previous erosions from Spring 2014 are corrected, however, there is erosion under the gangway.					

Photo 1 of 4 : SP_2017_RD0537_173_264_20170320_00060.jpg



Erosion cut 20 feet from the other one. Erosion 2-3 feet deep. Spring 2014

LM Start	3.06	Rating **	M	Issue No.	264 (cont)
LM End	3.06	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : SP_2017_RD0537_173_264_20170320_00061.jpg



Erosion cut in levee slope 2-3 feet deep. Spring 2014

LM Start	3.06	Rating **	M	Issue No.	264 (cont)
LM End	3.06	Issue Type +	Ma	Location *	WS

Photo 3 of 4 : SP_2017_RD0537_173_264_20170320_00062.jpg



There is erosion under the gangway on the waterward side of the levee looking downstream. Fall 2015.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	3.06	Rating **	M	Issue No.	264 (cont)
LM End	3.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.616504 °	38.616504 °
				-121.563270 °	-121.563270 °
DWR ID	DWR_RD0537_01_s_2014_264				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
The previous erosions from Spring 2014 are corrected, however, there is erosion under the gangway.					

Photo 4 of 4 : SP_2017_RD0537_173_264_20170320_00063.jpg



Updated view of erosion under the gangway that is still present. Fall 2016.

LM Start	3.06	Rating **	M	Issue No.	481
LM End	3.06	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.616413 °	38.616413 °
				-121.563205 °	-121.563205 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:46041 DS_ID:181 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Obstructed siphon breaker. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 7.0 feet below the crown. Slant pump column on the bank. Timber walkway mounted on pile structure across the berm to pump. Siphon breaker in CM pipe riser on the landward slope. Concrete standpipe on the landward side. 6-inch waste pipe down bank, gate valve on waste line. FS Date: 3/18/2013					

Photo 1 of 3 : UCIP_SP_2017_46041_17171.jpg



WS- overview of slanted pipe and pump on steel pile structure

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	3.06	Rating **	M	Issue No.	481 (cont)	
LM End	3.06	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.616413 °	38.616413 °	
				-121.563205 °	-121.563205 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:46041 DS_ID:181 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Obstructed siphon breaker. FIELD_STRUCT_DESC: 12-inch steel irrigation pipe through the levee, 7.0 feet below the crown. Slant pump column on the bank. Timber walkway mounted on pile structure across the berm to pump. Siphon breaker in CM pipe riser on the landward slope. Concrete standpipe on the landward side. 6-inch waste pipe down bank, gate valve on waste line. FS Date: 3/18/2013						

LM Start	3.06	Rating **	M	Issue No.	481 (cont)
LM End	3.06	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_SP_2017_46041_17170.jpg



WS- covered slanted pump on timber platform.

Photo 3 of 3 : UCIP_SP_2017_46041_17169.jpg



WS- slanted pipe and waste pipe gate valve

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	3.42	Rating **	A/W	Issue No.	9
LM End	3.42	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.611320 °	38.611320 °
				-121.562059 °	-121.562059 °
DWR ID	DWR_RD0537_01_f_2015_9				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0537_173_9_20170320_00008.jpg



View of the prunings at the levee toe on the landward side of the levee. Fall 2015.

LM Start	3.45	Rating **	M	Issue No.	43
LM End	3.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.610914 °	38.610914 °
				-121.561835 °	-121.561835 °
DWR ID	DWR_RD0537_01_f_2016_43				
Comment Code					
GA : Garbage					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0537_173_43_20170320_00043.jpg



Garbage on LS slope. Fall 2016.

LM Start	3.51	Rating **	M	Issue No.	14
LM End	3.51	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.610128 °	38.610128 °
				-121.561300 °	-121.561300 °
DWR ID	DWR_RD0537_01_f_2015_14				
Comment Code					
DE : Debris					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0537_173_14_20170320_00009.jpg



View of concrete debris and a utility pole on the landward side of the levee. Fall 2015.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	3.55	Rating **	A/W	Issue No.	44
LM End	3.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.609695 °	38.609695 °
				-121.560990 °	-121.560990 °
DWR ID	DWR_RD0537_01_f_2016_44				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0537_173_44_20170320_00044.jpg



Prunings on LS slope. Fall 2016.

LM Start	3.60	Rating **	M	Issue No.	57
LM End	3.71	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.609074 °	38.607578 °
				-121.560429 °	-121.559800 °
DWR ID	DWR_RD0537_01_s_2017_57				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	3.63	Rating **	M	Issue No.	15
LM End	3.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.608656 °	38.608656 °
				-121.560333 °	-121.560333 °
DWR ID	DWR_RD0537_01_f_2015_15				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 4 : SP_2017_RD0537_173_15_20170320_00010.jpg



View of the rodent hole on the landward side of the levee looking downstream. Fall 2015.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	3.63	Rating **	M	Issue No.	15 (cont)	
LM End	3.63	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			38.608656 °		38.608656 °
				-121.560333 °		-121.560333 °
DWR ID	DWR_RD0537_01_f_2015_15					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						

LM Start	3.63	Rating **	M	Issue No.	15 (cont)
LM End	3.63	Issue Type +	Ma	Location *	LS

Photo 2 of 4 : SP_2017_RD0537_173_15_20170320_00011.jpg



More rodent holes a little further upstream. Fall 2015.

Photo 3 of 4 : SP_2017_RD0537_173_15_20170320_00012.jpg



There is a rodent hole under the pipe spill way. Fall 2015.

LM Start	3.63	Rating **	M	Issue No.	15 (cont)
LM End	3.63	Issue Type +	Ma	Location *	LS

Photo 4 of 4 : SP_2017_RD0537_173_15_20170320_00013.jpg



Number of rodent holes on landside slope of the levee. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	4.13	Rating **	U	Issue No.	8
LM End	4.31	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.602671 °	38.600687 °
				-121.555351 °	-121.553297 °
DWR ID	DWR_RD0537_01_s_2012_8				
Comment Code					
BU : Building					
Inspector Comment					

LM Start	4.13	Rating **	U	Issue No.	8 (cont)
LM End	4.31	Issue Type +	En	Location *	WS

Photo 1 of 2 : SP_2017_RD0537_173_8_20170320_00006.jpg



Abandoned building and fence on the levee crown. Spring 2013

Photo 2 of 2 : SP_2017_RD0537_173_8_20170320_00007.jpg



Building and old equipment within the fenced compound. Spring 2014

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	4.24	Rating **	M	Issue No.	482
LM End	4.24	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.601384 °	38.601384 °
				-121.554099 °	-121.554099 °
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:45026					
DS_ID:171					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Appears abandoned and if so should be done so properly.					
FIELD_STRUCT_DESC: *ABANDONED* 12-inch pipe through the levee, 15.1 feet below the crown. Pump and gate valve in pump house on the waterward slope.					
FS Date: 4/28/2015					

Photo 1 of 3 : UCIP_SP_2017_45026_17073.jpg



Riparian Lands Trust- no access through gate.

LM Start	4.24	Rating **	M	Issue No.	482 (cont)
LM End	4.24	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_SP_2017_45026_17072.jpg



No access through gate. Area behind gated area along WS slope accessible.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	4.24	Rating **	M	Issue No.	482 (cont)	
LM End	4.24	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.601384 °	38.601384 °	
				-121.554099 °	-121.554099 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:45026						
DS_ID:171						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Appears abandoned and if so should be done so properly.						
FIELD_STRUCT_DESC: *ABANDONED* 12-inch pipe through the levee, 15.1 feet below the crown. Pump and gate valve in pump house on the waterward slope.						
FS Date: 4/28/2015						

Photo 3 of 3 : UCIP_SP_2017_45026_74045.jpg



12" pipe along WS slope resting on possible remnant of pump house.

LM Start	4.27	Rating **	M	Issue No.	1
LM End	4.32	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.601388 °	38.600907 °
				-121.553250 °	-121.552815 °
DWR ID	DWR_RD0537_01_s_2016_1				
Comment Code					
Inspector Comment					
1997 - This may have been a cobble rehabilitation site to the 1957 cobble that was place all the way to the I-80 Bridge. 2000 - Local damage induced by human use. 2003 - Site is still very close to the levee and into the levee toe. 2011 - One new tree has fallen. 2015: 62.9 and 63.0 have been combined into one site. [2015 Site ID: SAC 62-9 RI]					

Photo 1 of 1 : SP_2017_RD0537_173_1_20170320_00001.jpg



USACE 2013 Photo #1

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	4.35	Rating **	M	Issue No.	483
LM End	4.35	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.600310°	38.600310°
				-121.552816°	-121.552816°
DWR ID					
Comment Code					
Inspector Comment					
FS_ID:45024					
DS_ID:235					
EP_NO: 17993					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Need signs on WS slope for all gas lines in area.					
FIELD_STRUCT_DESC: To install a 20-inch-diameter natural gas					
pipeline (bored) under the channel and levees of the Sacramento River.					
Sign on opposite bank. Sign off LS toe on other side of railroad tracks					
at base of tower. Application No. 17993, 2006.					
FS Date: 4/28/2015					

LM Start	4.35	Rating **	M	Issue No.	483 (cont)
LM End	4.35	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_SP_2017_45024_74020.jpg



Red circle shows location of sign on opposite bank.

Photo 2 of 3 : UCIP_SP_2017_45024_74021.jpg



Closeup of PGE "Gas Pipeline Crossing" sign on opposite bank.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	4.35	Rating **	M	Issue No.	483 (cont)	
LM End	4.35	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.600310 °	38.600310 °	
				-121.552816 °	-121.552816 °	
DWR ID						
Comment Code						
Inspector Comment						
FS_ID:45024 DS_ID:235 EP_NO: 17993 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need signs on WS slope for all gas lines in area. FIELD_STRUCT_DESC: To install a 20-inch-diameter natural gas pipeline (bored) under the channel and levees of the Sacramento River. Sign on opposite bank. Sign off LS toe on other side of railroad tracks at base of tower. Application No. 17993, 2006. FS Date: 4/28/2015						

Photo 3 of 3 : UCIP_SP_2017_45024_74040.jpg



Marker off LS toe at base of tower at opposite side of RR tracks.

LM Start	4.35	Rating **	M	Issue No.	56
LM End	4.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.600384 °	38.600384 °
				-121.552705 °	-121.552705 °
DWR ID	DWR_RD0537_01_s_2017_56				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Tworunoff erosion spots on waterside slope.					

Photo 1 of 2 : SP_2017_RD0537_173_56_20170413_00090.jpg



View of first erosion location on waterside levee slope. Spring 2017.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	4.35	Rating **	M	Issue No.	56 (cont)	
LM End	4.35	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.600384 °		38.600384 °
				-121.552705 °		-121.552705 °
DWR ID	DWR_RD0537_01_s_2017_56					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
TworRunoff erosion spots on waterside slope.						

Photo 2 of 2 : SP_2017_RD0537_173_56_20170413_00091.jpg



View of second erosion location on waterside levee slope. Spring 2017.

LM Start	4.36	Rating **	C	Issue No.	45
LM End	4.36	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.600172 °	38.600172 °
				-121.552644 °	-121.552644 °
DWR ID	DWR_RD0537_01_f_2016_45				
Comment Code					
EQ : Equipment					
Inspector Comment					

No Photos

LM Start	4.43	Rating **	M	Issue No.	46
LM End	4.43	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.599390 °	38.599390 °
				-121.551829 °	-121.551829 °
DWR ID	DWR_RD0537_01_f_2016_46				
Comment Code					
MA : Material					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0537_173_46_20170320_00046.jpg



Stock of RR rail ties at levee toe on landward side. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	4.50	Rating **	M	Issue No.	55
LM End	4.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.598671 °	38.596967 °
				-121.550976 °	-121.548078 °
DWR ID	DWR_RD0537_01_s_2017_55				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	4.50	Rating **	M	Issue No.	24
LM End	4.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.598670 °	38.596963 °
				-121.550977 °	-121.548083 °
DWR ID	DWR_RD0537_01_s_2017_24				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	4.53	Rating **	U	Issue No.	475
LM End	4.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.598205 °	38.598205 °
				-121.550675 °	-121.550675 °
DWR ID	DWR_RD0537_01_s_2015_475				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 2 : SP_2017_RD0537_173_475_20170320_00064.jpg



Updated view of rodent holes on LS slope. More holes appeared. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

LM Start	4.53	Rating **	U	Issue No.	475 (cont)	
LM End	4.53	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			38.598205 °		38.598205 °
				-121.550675 °		-121.550675 °
DWR ID	DWR_RD0537_01_s_2015_475					
Comment Code						
A1 : Exterminate rodents and backfill and compact or grout burrows.						
Inspector Comment						

Photo 2 of 2 : SP_2017_RD0537_173_475_20170320_00065.jpg



View of the rodent hole on the landward side of the levee looking downstream. Fall 2015.

LM Start	4.55	Rating **	M	Issue No.	30
LM End	4.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.598022 °	38.598022 °
				-121.550396 °	-121.550396 °
DWR ID	DWR_RD0537_01_s_2016_30				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0537_173_30_20170320_00026.jpg



View of the slope stability caused by vehicles on the waterward side of the levee looking downstream. Spring 2016.

LM Start	4.68	Rating **	M	Issue No.	62
LM End	4.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.597157 °	38.596706 °
				-121.548792 °	-121.547821 °
DWR ID	DWR_RD0537_01_s_2017_62				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	4.74	04/13/2017 04/13/2017	Zach Jojola

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2017 Levee Inspection Results

Reclamation District No. 0537 Lovdal

Waterway			Bank	Unit Miles
Unit No. 02 Yolo Bypass			Left	1.19
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/12/2017 - 4/12/2017			
DWR Inspector	Zach Jojola			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	1.19	04/12/2017 04/12/2017	Zach Jojola

LM Start	0.01	Rating **	U	Issue No.	1
LM End	1.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.597245 °	38.582293 °
				-121.577225 °	-121.567758 °
DWR ID	DWR_RD0537_02_s_2017_1				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2017_RD0537_174_1_20170413_00005.jpg



Tall grass on landside levee slope, blocking visibility. Spring 2017.

LM Start	0.05	Rating **	M	Issue No.	5
LM End	0.05	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.596606 °	38.596606 °
				-121.576970 °	-121.576970 °
DWR ID	DWR_RD0537_02_s_2017_5				
Comment Code					
DE : Debris					
Inspector Comment					
Appears to be a homeless camp,					

No Photos

LM Start	0.21	Rating **	A/W	Issue No.	4
LM End	1.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.594595 °	38.583236 °
				-121.575860 °	-121.569253 °
DWR ID	DWR_RD0537_02_f_2013_4				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Tall trees growing at waterside levee toe.					

Photo 1 of 2 : SP_2017_RD0537_174_4_20170320_00003.jpg



Photo of the willows at the toe of the rip rap and levee. No other trees in the rip rap. Spring 2014

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	1.19	04/12/2017 04/12/2017	Zach Jojola

LM Start	0.21	Rating **	A/W	Issue No.	4 (cont)	
LM End	1.07	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.594595 °		38.583236 °
				-121.575860 °		-121.569253 °
DWR ID	DWR_RD0537_02_f_2013_4					
Comment Code						
V7 : Trees / Woody Vegetation						
Inspector Comment						
Tall trees growing at waterside levee toe.						

Photo 2 of 2 : SP_2017_RD0537_174_4_20170320_00004.jpg



View of the willows at the toe of the waterward side of the levee looking upstream. Fall 2015.

LM Start	0.32	Rating **	M	Issue No.	2
LM End	0.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.593079 °	38.593079 °
				-121.574956 °	-121.574956 °
DWR ID	DWR_RD0537_02_f_2016_2				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 2 : SP_2017_RD0537_174_2_20170320_00001.jpg



Pothole on LS slope near levee crown. Fall 2016.

LM Start	0.32	Rating **	M	Issue No.	2 (cont)
LM End	0.32	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2017_RD0537_174_2_20170320_00002.jpg



Perspective view of a pothole on LS slope near levee crown. Fall 2016.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2017

Reclamation District No. 0537 Lovdal

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	1.19	04/12/2017 04/12/2017	Zach Jojola

LM Start	0.45	Rating **	M	Issue No.	3
LM End	0.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.591336 °	38.591336 °
				-121.573959 °	-121.573959 °
DWR ID	DWR_RD0537_02_s_2017_3				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Large rodent burrow on landside levee shoulder.					

Photo 1 of 1 : SP_2017_RD0537_174_3_20170413_00006.jpg



View of burrow hole on landside levee slope. Spring 2017.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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